



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

006538

646.4001

Job Sheet 184733



Part No: 646.4001

Job Qty: 1 ea

Part Name: AS350 Cable Cutter System



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/16/18

Job Tracking No:

Due Date: 11/9/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV C1 IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM IPP REV:B 15.01.08 AS PER DWG REV.B
DD VERF:JLM IPP REV:C 16.01.07 AS PER DWG REV.C DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	11/9/18	11/9/18	0.00	0.00	Start Up Stores/Pkg-1		4/19/2018
110	Packaging	1 pcs	11/9/18	11/9/18	0.00	0.00	Packaging1-1		DEC 04 2018
120	QC	1 pcs	11/9/18	11/9/18	0.00	0.00	QC4		DEC 04 2018
130	Packaging	1 pcs	11/9/18	11/9/18	0.00	0.00	Packaging3-1		DEC 04 2018
135	DC	1 pcs	11/9/18	11/9/18	0.00	0.00	DC		DEC 05 2018
140	QC21-FG	1 Ea	11/9/18	11/9/18	0.00	0.00	QC21		DEC 05 2018

Part Op 130 - Identify and pack for shipping as per PPP 646.4001 Location: _____
Descriptions: 135 - Photocopy bluefile & type labels per PPP 646.4001

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
600.0129	VHB Tape	8 ft (8 ea)	90-Start up Operation	5019004
600.0990	Magnabond 6398 Part A Size 112 ml	1 Ea (1 ea)	90-Start up Operation	5121192
600.0991	Magnabond 6398 Part B Size 112 ml	1 Ea (1 ea)	90-Start up Operation	5090709
600.1012	Sealant PR1425B2 (#654 sem)	1 pcs (1 ea)	90-Start up Operation	5117023
600.1013	021200-3M Tape Primer 94 Primer 24216	5 Ea (5 ea)	90-Start up Operation	5066985
646.2910	Deflector	1 Ea (1 ea)	90-Start up Operation	5079498
646.3001	Lower Cable Cutter Assembly	1 Ea (1 ea)	90-Start up Operation	5119256
646.3110	Channel	1 Ea (1 ea)	90-Start up Operation	5117183
646.3210	Support	1 Ea (1 ea)	90-Start up Operation	5065343
646.3301	Upper Cutter Assembly	1 Ea (1 ea)	90-Start up Operation	5119224
646.3510	Strut	1 Ea (1 ea)	90-Start up Operation	5081641
646.3511	Strut	1 Ea (1 ea)	90-Start up Operation	5081639
646.3610	Filler	1 Ea (1 ea)	90-Start up Operation	5092525
646.3710	Doubler	1 Ea (1 ea)	90-Start up Operation	5049666
646.3711	Clip	1 Ea (1 ea)	90-Start up Operation	5062706
646.3712	Clip	1 Ea (1 ea)	90-Start up Operation	5038797
646.3713	Gusset	1 Ea (1 ea)	90-Start up Operation	5042029
646.3714	Gusset	1 Ea (1 ea)	90-Start up Operation	5038824
646.3715	Strut Doubler	2 Ea (2 ea)	90-Start up Operation	5082442
646.3716	Gauge Bracket	1 Ea (1 ea)	90-Start up Operation	5063780
646.3717	Doubler	1 Ea (1 ea)	90-Start up Operation	5038801
646.3718	Custom Washer	2 Ea (2 ea)	90-Start up Operation	5064802

QA Closed: _____ Date: _____

Work Order update only ☐



Work Order: _____	DISPOSITION		AGAINST DEPARTMENT/PROCESS				
Part No. _____	Rework ☐	Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐		
NCR No. _____	Scrap ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐		
	Use-as-is ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐		
	Suspected Unapproved ☐	Large Fab ☐	Composite ☐	Supplier ☐			

Date :	Step #:	QTY Effective :	val
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Description Work Order Deviation	Disposition
 DART AEROSPACE Uart Aerospace 1270 Aberdeen Street Hawkesbury, ON K6A CANADA TEL.: 1 813 632-55 Email: sales@dartae www.dartaerospace  Container No: S133310 Part: 646.4001 Job No: 184733 Serial No/Batch: S133310 Revision: Inspector: Exp Date: 04/28/2019 Instructions: FAA STC SR02180LA 14/DA0742668ST	

Root Cause			FAULT CATEGORY		
Environment	No Re-verification	Pressure/Forced	Temperature/Cure	Power Loss	
Design	Operator	Bending	Set-up	Folio/Prog	
Doc/Data	Offset/Setup	Centre Not Concentric	BOM/Route	Grain	
Equip/Tooling	Supplier	Cracks	Broken/Damage/Defect	Weld	Part Incorrect
Handling/Pre	Training	Crimp/Kink/Ripple/Wave	Inspection Incomplete/Unqualified	Wrong Stock Pulled	Part Lost/Missing
Material	Use for Testing	Cuffs	Contamination	Out of Sequence	Part Moved
Internal Transport	Poor Information	Crushing	Countersink	Off-set	Drawing
Tribal Knowledge	Rushing	Heat Treat	Cut Too Short	Mislabeled	Finish
LOA	Product Improvement	Wave/Twist in Tube	Instructions Incomplete/Unclear	Fit/Function	Misread
Substation	Process Improvement	Marks/Chatter	Drill Holes	Misaligned/off center	Turning Sequence
Past Expiry Date	Manufacturing Process				
Misidentified	Past Due	OTHER :			

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev I

JOB 184733

006538

646.3719	Doubler	2 Ea (2 ea)	90-Start up Operation	5063754.
646.3810	Bracket	2 Ea (2 ea)	90-Start up Operation	5118787
646.3811	Radius Block	1 Ea (1 ea)	90-Start up Operation	5070843
646.3812	Gusset Bracket	2 Ea (2 ea)	90-Start up Operation	5118939
646.3813	AS350 Strut Bracket	1 Ea (1 ea)	90-Start up Operation	5073255
646.3910	Shim	4 Ea (4 ea)	90-Start up Operation	5119356x2 5124377x2
646.3911	Shim	1 Ea (1 ea)	90-Start up Operation	5041250
646.3912	Shim	4 Ea (4 ea)	90-Start up Operation	5125109
646.3913	Shim	1 Ea (1 ea)	90-Start up Operation	5041498
646.9410	Shim	1 Ea (1 ea)	90-Start up Operation	5056988
647.0112	Strut Bracket	2 Ea (2 ea)	90-Start up Operation	5097197
647.7703	Strut Assembly	2 Ea (2 ea)	90-Start up Operation	5128424
650.9201	Eyelet Bracket Assembly	2 Ea (2 ea)	90-Start up Operation	5122789
AN3-11A	Bolt	10 Ea (10 ea)	90-Start up Operation	5098034
AN3-12A	Bolt	2 Ea (2 ea)	90-Start up Operation	5095479
AN3-13A	Bolt	1 Ea (1 ea)	90-Start up Operation	5098032
AN3-3A	Bolt	4 Ea (4 ea)	90-Start up Operation	5056462
AN3-4A	Bolt	10 Ea (10 ea)	90-Start up Operation	5112901
AN3-5A	Bolt	2 Ea (2 ea)	90-Start up Operation	5119258
AN3-6A	Bolt	2 Ea (2 ea)	90-Start up Operation	5103950
AN316C4R	Nut, Jam	2 Ea (2 ea)	90-Start up Operation	5080637
AN44-5A	Eyebolt	2 Ea (2 ea)	90-Start up Operation	5104032
AN4C7A	Bolt	2 Ea (2 ea)	90-Start up Operation	5095478
AN665-34R	Clevis	2 Ea (2 ea)	90-Start up Operation	5065264
CCR264SS3-02	Cherry Rivet	36 Ea (36 ea)	90-Start up Operation	5116954x15 5103962x21
CR3213-5-3	Cherry Rivet	14 Ea (14 ea)	90-Start up Operation	5108575
MS20426AD5-7	Rivet	2 Ea (2 ea)	90-Start up Operation	F153848
MS20470AD5-5.5	Rivet	8 Ea (8 ea)	90-Start up Operation	FM134063
MS20470AD5-6	Rivet	8 Ea (8 ea)	90-Start up Operation	F124089
MS20470AD5-7	Rivet	3 Ea (3 ea)	90-Start up Operation	F123425
MS21042L08	Nut	2 Ea (2 ea)	90-Start up Operation	5100409
MS21042L3	Nut	63 Ea (63 ea)	90-Start up Operation	5100409 5094592
MS21042L4	Nut	2 Ea (2 ea)	90-Start up Operation	5109736
MS21047-3	Nut Plate	18 Ea (18 ea)	90-Start up Operation	5103943
MS24693-C278	Screw	5 Ea (5 ea)	90-Start up Operation	5065341
MS24694-S51	Screw	5 Ea (5 ea)	90-Start up Operation	5004855
MS24694-S54	Screw	2 Ea (2 ea)	90-Start up Operation	5118346
MS24694-S55	Screw	3 Ea (3 ea)	90-Start up Operation	5099526
MS27039-08-13	Screw	2 Ea (2 ea)	90-Start up Operation	5016508
MS27039-1-10	Screw	2 Ea (2 ea)	90-Start up Operation	5071834
MS27039-1-12	Screw	6 Ea (6 ea)	90-Start up Operation	5000971
MS27039-1-16	Screw	24 Ea (24 ea)	90-Start up Operation	5104364
MS27039-1-19	Screw	22 Ea (22 ea)	90-Start up Operation	FM134134
MS27039-1-20	Screw	2 Ea (2 ea)	90-Start up Operation	5094554
MS27039-1-21	Screw	4 Ea (4 ea)	90-Start up Operation	5104011
NAS1149F0332P	Washer	144 Ea (144 ea)	90-Start up Operation	5109991
NAS1149F0363P	Washer	2 Ea (2 ea)	90-Start up Operation	5075330
NAS1149F0432P	Washer	4 Ea (4 ea)	90-Start up Operation	5123456
NAS1149FN832P	Washer	4 Ea (4 ea)	90-Start up Operation	5107796

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	600.0129	8	264	0
	600.0990	1	8	0
	600.0991	1	4	0
	600.1012	1	11	0
	600.1013	5	24	0
	646.2910	1	25	0
	646.3001	1	3	0
	646.3110	1	12	0
	646.3210	1	14	0
	646.3301	1	6	0
	646.3510	1	17	0

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐	☐	No Re-verification ☐	☐	Pressure/Forced ☐	☐	Temperature/Cure ☐	☐
Design ☐	☐	Operator ☐	☐	Bending ☐	☐	Set-up ☐	☐
Doc/Data ☐	☐	Offset/Setup ☐	☐	Centre Not Concentric ☐	☐	BOM/Route ☐	☐
Equip/Tooling ☐	☐	Supplier ☐	☐	Cracks ☐	☐	Broken/Damage/Defect ☐	☐
Handling/Pre ☐	☐	Training ☐	☐	Crimp/Kink/Ripple/Wave ☐	☐	Inspection Incomplete/Unqualified ☐	☐
Material ☐	☐	Use for Testing ☐	☐	Cuffs ☐	☐	Contamination ☐	☐
Internal Transport ☐	☐	Poor Information ☐	☐	Crushing ☐	☐	Countersink ☐	☐
Tribal Knowledge ☐	☐	Rushing ☐	☐	Heat Treat ☐	☐	Cut Too Short ☐	☐
LOA ☐	☐	Product Improvement ☐	☐	Wave/Twist in Tube ☐	☐	Instructions Incomplete/Unclear ☐	☐
Substation ☐	☐	Process Improvement ☐	☐	Marks/Chatter ☐	☐	Drill Holes ☐	☐
Past Expiry Date ☐	☐	Manufacturing Process ☐	☐	OTHER : _____			
Misidentified ☐	☐	Past Due ☐	☐				

646.3511	1	22	0
646.3610	1	22	0
646.3710	1	48	0
646.3711	1	32	0
646.3712	1	20	0
646.3713	1	15	0
646.3714	1	21	0
646.3715	2	29	0
646.3716	1	38	0
646.3717	1	24	0
646.3718	2	40	0
646.3719	2	32	0
646.3810	2	3	0
646.3811	1	29	0
646.3812	2	0	0
646.3813	1	11	0
646.3910	4	25	0
646.3911	1	21	0
646.3912	4	22	0
646.3913	1	37	0
646.9410	1	99	0
647.0112	2	100	0
647.7703	2	16	0
650.9201	2	13	0
AN3-11A	10	195	0
AN3-12A	2	104	0
AN3-13A	1	97	0
AN3-3A	4	225	0
AN3-4A	10	395	0
AN3-5A	2	266	0
AN3-6A	2	198	0
AN316C4R	2	35	0
AN44-5A	2	29	0
AN4C7A	2	141	0
AN665-34R	2	27	0
CCR264SS3-02	36	599	0
CR3213-5-3	14	258	0
MS20426AD5-7	2	1,057	0
MS20470AD5-5.5	8	221	0
MS20470AD5-6	8	1,006	0
MS20470AD5-7	3	140	0
MS21042L08	2	2,361	0
MS21042L3	63	2,677	0
MS21042L4	2	4,178	0
MS21047-3	18	500	0
MS24693-C278	5	144	0
MS24694-S51	5	113	0
MS24694-S54	2	428	0
MS24694-S55	3	181	0
MS27039-08-13	2	188	0
MS27039-1-10	2	200	0
MS27039-1-12	6	87	0
MS27039-1-16	24	595	0
MS27039-1-19	22	226	0
MS27039-1-20	2	113	0
MS27039-1-21	4	114	0
NAS1149F0332P	144	2,579	0
NAS1149F0363P	2	579	0
NAS1149F0432P	4	988	0
NAS1149FN832P	4	3,483	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : ☐							
Misidentified ☐	Past Due ☐								

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NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.
- 2 INSTALL F/N 14 WITH F/N 52 & 53.
- 3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMMASTER-CARR P/N 75935A651.
- 4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-24216.
- 5 REUSE FASTENERS FROM F/N 1.
- 6 USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.
- 7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.
- 8 INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.
- 9 NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 & F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

REFERENCE ONLY

UNINCORPORATED ECN(S)

05304

5	5	5	78	601.3875	SCREW	AN3-11A	
1	1	1	77	646.9410	SHIM	AN3-11A	
	4	4	76	601.2764	WASHER	AN3-11A	
	2	2	75	601.2973	LOCKNUT	AN3-11A	
	2	2	74	601.2988	SCREW	AN3-11A	
	2	2	73	601.2943	LOCKNUT	AN3-11A	
	2	2	72	601.3128	NUT	AN3-11A	
	2	2	71	601.3209	LOCKNUT	AN3-11A	
	4	4	70	601.2638	WASHER	AN3-11A	
	2	2	69	601.2669	BOLT	AN3-11A	
	2	2	68	601.3119	CLEVIS	AN3-11A	
	2	2	67	601.3121	EYE BOLT	AN3-11A	
	2	2	66	650.9201	EYE BRACKET ASSY	AN3-11A	
	REF	REF	65	647.5701	GPS MOUNT KIT	AN3-11A	
		2	64	601.3151	WASHER	AN3-11A	
		2	63	601.2911	SCREW	AN3-11A	
	24	24	62	601.2637	SCREW	AN3-11A	
	2	2	61	601.2763	BOLT	AN3-11A	
	1	1	60	646.3913	SHIM	AN3-11A	
	4	4	59	646.3912	SHIM	AN3-11A	
	1	1	58	646.3911	SHIM	AN3-11A	
	4	4	57	646.3910	SHIM	AN3-11A	
	5	5	56	600.1013	PRIMER	AN3-11A	
	8 FT	8 FT	55	600.0129	VHB TAPE	AN3-11A	
	1	1	54	600.1012	SEALANT	AN3-11A	
	1	1	53	600.0991	MAGNOBOND 639B PART B	AN3-11A	
	1	1	52	600.0990	MAGNOBOND 639B PART A	AN3-11A	
	6	10	51	601.2826	BOLT	AN3-11A	
		2	50	646.3814	WIPER BRACKET	AN3-11A	
		2	49	601.2910	SCREW	AN3-11A	
	2	2	48	601.1365	SCREW	AN3-11A	
	2	2	47	646.3719	DOUBLER	AN3-11A	
	1	2	46	646.3718	CUSTOM WASHER	AN3-11A	
		1	45	646.3717	DOUBLER	AN3-11A	
	22	2	44	601.1946	SCREW	AN3-11A	
	2	2	43	601.1952	SCREW	AN3-11A	
	4	4	42	601.1956	SCREW	AN3-11A	
4006	4005	4004	4003	4002	4001	FIND #	PART #
							DESCRIPTION
							MATL
							SPEC.

REFERENCE ONLY

REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECN 02199, 02281, 02278 & 02765	03/08/2010	P. BRAVO
B	INCORPORATED ECN 03046, 03079 & 04731	11/04/2014	P. BRAVO
C	INCORPORATED ECN 05098	09/09/2015	P. BRAVO

		2	2	41	601.2829	SCREW	MS20470AD5-4
		2	2	40	601.2831	RIVET	MS20470AD5-7
		1	1	39	646.3716	GAUGE BRACKET	
		6	6	38	601.1953	SCREW	MS20703P-1-12
	2	2	2	37	646.3715	STRUT DOUBLER	
			2	36	601.2824	BOLT	AN3-5A
12	36		36	35	601.2277	RIVET	CC020489-3-00
6	18		18	34	600.0795	NUTPLATE	MS21047-3
3	3		3	33	601.2565	RIVET	MS20470AD5-7
1	1		1	32	646.3813	STRUT BRACKET	
4	4		4	31	601.2822	BOLT	AN3-3A
2	2		2	30	646.3812	GUSSET BRACKET	
8	8		8	29	601.2564	RIVET	MS20470AD5-4
1	1		1	28	646.3714	GUSSET	
	1	1	1	27	646.3610	FILLER	
	3	3	3	26	601.2830	SCREW	MS20469A555
	2	2	2	25	601.2825	BOLT	AN3-5A
	1	1	1	24	646.3811	RADIUS BLOCK	
	1	1	1	23	646.3712	CLIP	
	1	1	1	22	646.3711	CLIP	
8	8		8	21	601.2832	RIVET	MS20470AD5-4
14	14		14	20	601.2020	RIVET	CP3213-5-3
4	6	4	6	19	601.2823	BOLT	AN3-4A
	1	1	1	18	601.2827	BOLT	AN3-13A
	5	5	5	17	601.2912	SCREW	MS20469A551
	1	1	1	16	646.3713	GUSSET	
	1	1	1	15	646.3210	SUPPORT	
	1	1	1	14	646.3710	DOUBLER	
	1	1	1	13	646.3110	CHANNEL	
14	10	8	53	6	601.1624	LOCKNUT	MS21042L3
16	32	18	120	16	601.1607	WASHER	MS11490302P
				1	646.3410	LH WIPER DEFLECTOR	
				9	646.3411	RH WIPER DEFLECTOR	
		2	2	8	647.2703	STRUT ASSY	
		2	2	7	647.0112	STRUT BRACKET	
	1	1	1	6	646.3511	STRUT	
	1	1	1	5	646.3510	STRUT	
2	2		2	4	646.3810	BRACKET	
		1	1	3	646.2910	DEFLECTOR	
	1	1	1	2	646.3001	LOWER CUTTER ASSY	
		1	1	1	646.3301	UPPER CUTTER ASSY	
X					646.4006	LOWER CUTTER FIXED PROVISIONS	
	X				646.4005	LOWER CUTTER REMOVABLE PROVISIONS	
					646.4004	FIXED PROVISIONS KIT	
		X			646.4003	CABLE CUTTERS KIT W/OUT FIBER PROVISIONS	
			X		646.4002	AS350 WIPER DEFLECTOR KIT	
				X	646.4001	AS350 CABLE CUTTERS KIT	
4006	4005	4004	4003	4002	4001	FIND #	PART #
							DESCRIPTION
							MATL
							SPEC.

QTY	1
NEXT ASSY (S)	
ORIGINAL DATE	08-27-08
DRAWN BY	J. HUFF
CHECKED BY	P. BRAVO
DRAWING APPROVAL	
CONTRACT NO.	
UNLESS OTHERWISE SPECIFIED:	
DIMENSIONS ARE IN INCHES	
TOLERANCES ARE:	
3 PLACE DECIMALS ±.010	
2 PLACE DECIMALS ±.005	
ANGLES ±.5°	
SIZE	B
SCALE	NONE
DWG. NO.	646.4000
REV.	C
SHEET	1 OF 5

DART 3030 ENTERPRISE CT., SUITE A
AEROSPACE VISTA, CA 92081
APICAL INDUSTRIES, INC. DBA DART AEROSPACE (760) 724-5300

AS350 CABLE CUTTERS KIT

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